

4186-3

1. Considered 1-25 19 78
2. Name of Applicant JOE & MIKE MATTEWS
3. Post Office Address LILY
4. Amount of Water claimed 4.0
5. Source of Water supply 3-50' DEEP WELLS
6. Water to be used for IRRIGATION
Acres to be irrigated 280
7. Water to be diverted and used in CLARK County
about 3E, 3S miles of LILY
8. Proof of Publication
Received 1-6-78
Not Received
Approved
Subject to
Not Approved
Action Deferred
9. Application

10. Remarks:

No. 4186-3Map No. 3414-3 Water Division No. 3 JAMES RIVER District
(Blanks to be Filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

8:30 am

(NOTE--Draw a line through items not applicable)

1. Name of Applicant Joe and Mike Matthews
 Postoffice address Lily, State South Dakota 57250
 If a corporation show date and place of incorporation -----
2. Method of accomplishing work (contract, employment of others, or by direct labor) Direct Labor
3. Name of diversion work Joe and Mike Matthews - Unit # 3
4. Amount of water claimed (cubic feet per second) 4.0
5. Source of water supply Ground Water
6. Location of point of diversion #1-NW $\frac{1}{4}$ of SE $\frac{1}{4}$ of 2-119-57, #2- SW $\frac{1}{4}$ of NE $\frac{1}{4}$ of 2-119-57
#3 CENTER OF SE $\frac{1}{4}$, SECTION 2, T119N, R57W
- County Clark
7. Annual period or periods during which water is to be used March - November
8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation
9. For irrigation use, Total number of acres to be irrigated 280

List below each forty acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.
SE $\frac{1}{4}$ -2-119-57	160		
NE $\frac{1}{4}$ -2-119-57	120		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 5 years. Additional time required to complete application of water to the proposed beneficial use 2 years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Clark County Courier, Clark SD 57225
12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source.

Pump Bowl

B. Works proposed to transport water to place of use.

Main Line

C. Works proposed to apply water to beneficial use.

Center Pivot

Estimated Total Cost \$ -----

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
 (See instructions concerning preparation.)

STATE OF SOUTH DAKOTA)

County of Clark)

I, Joe & Mike Matthews the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.

Subscribed and sworn to before me this 3rd day of December 1927

Notary Public (or other qualified officer)

MY COMMISSION
 EXPIRES NOV. 4, 1928

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 4186-3

JOE & MIKE MATTHEWS

(Applicant)

LILY

(Post Office Address)

SOUTH DAKOTA 57250

(State)

With the following modifications:

The irrigation well approved under this Permit is located near domestic wells which may obtain water from the same aquifer. The irrigation well owner, under this Permit, shall control his irrigation withdrawals so there is not a reduction of needed water supplies in adequate domestic wells.

Date of first receipt of application NOVEMBER 14, 19 77

Date of return to applicant for correction, amendments or changes required _____, 19 _____

Date of receipt of corrected application NOVEMBER 28, 19 77

Approved JANUARY 25, 19 78, Recorded in Book 19 Page 270

WATER RIGHT PERMIT NO. 4186-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 4186-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is NOVEMBER 14, 19 77
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JULY 25, 19 80
3. The whole of said work is to be completed on or before JANUARY 25, 19 83
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 25, 19 85
5. The water appropriated shall be used for the purpose of IRRIGATION

6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.

7. The amount of the appropriation herein granted shall not exceed 4.0 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before JANUARY 25, 19 85; said water to be used during the following described annual period: MARCH - NOVEMBER

Witness my hand this 1ST day of FEBRUARY, 19 78

WATER RIGHTS COMMISSION

By:

John Hatch

Chief Engineer Executive Officer

Certificate of Construction Issued _____, 19 _____

Water License Issued _____, 19 _____

243

WELL REPORT

UNION
DRILLING CO.
Huron, S. D.

4186

Joe Matth

OWNER

E2-119-57-Dny Co.

DESCRIPTION

May 8, 1978

DATE

CASING LOG

Depth 56 ft.
Flows gpm 36 ft. 15" PVC Plastic pipe to 36 ft.
Pumps gpm 20 ft. 16" Johnson pipe to 56 ft.
Stainless Steel Screen
Head ft. ft. pipe to ft.
20 Ft. 16" Stainless Steel Screen
Perforations 120 Slot ft. pipe to ft.

Pressure

REMARKS

Drilling Time

20 Ft. - 16" Johnson Stainless Steel Screen

Rig No. 23

120 Slot

Stanley LeG and

DM

Foreman



FIELD PUMPING TEST Water Level Measurements

Well No. 2

Location: Joe Matthews

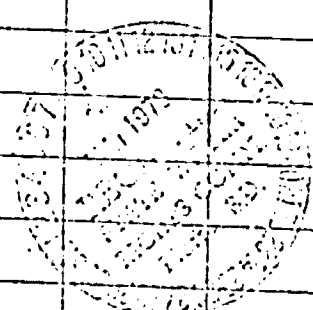
Date: 5/5/78

Druce Engel

South 1700 yards

8" Pipe 6" orifice

Time of Measurement	Elapsed Time - Minutes	Tape Measurement		Elec. Elev. of Marker Inches	Depth of Water 15" Feet New	Draw-down Feet	Pumping Rate GPM	REMARKS
		Mark Held Ft	Wetted Port. 15" Hole 15" Inches well					
11:00			7' 6"		Well Static 10'			
11:15					16' 1"		225	Dirty
11:30					18' 6"		495-9 1/2"	Cloudy (clear)
11:45					22" 3"		700-19 1/2"	Clear
12:00					23' 1"		700-19 1/2"	Clear
12:15					24'		830-28"	Clear
12:30			7' 6"		24' 4 1/2"		830-28"	Clear
12:45					24' 5 1/2"		830-28"	Clear
1:00					24' 6 1/2"		830-28"	Clear
1:15					24' 7"		830-28"	Clear
1:30					24' 8"		830-28"	Clear
1:45			7' 6"		24' 8 1/2"		830-28"	Clear
2:00					24' 9"		830-28"	Clear
2:15					24' 9 1/2"		830-28"	Clear
2:30			7' 6"		24' 11"		830-28"	Clear
2:45					24' 11"		830-28"	Clear
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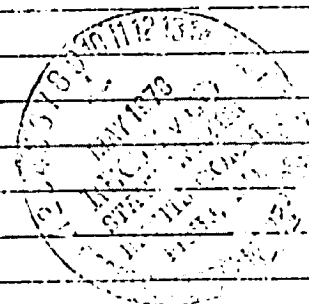
Lily, South Dakota
E2-119-57-Day County
LOCATION

5/43/78
DATE

23
RIG NO.

Stanley
LeGrand
FOURMAN

JOB NAME

[illegible]

PAGE NO.

Steve Kuehl
FOREMAN

[illegible]

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

- (1) Drill Hole, Diameter _____, Depth _____
- (2) Casing, Type _____ Diameter _____ Thickness _____
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type _____, Diameter _____, Length _____
- (4) Gravel Pack. Thickness _____, Length of gravel pack _____

E. Dugout Information or Estimates.

- (1) Surface dimensions _____, Depth _____

F. Fill out for Either a Well or a Dugout.

*Log will be furnished by driller

- (1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials _____

Depth to top of water bearing material _____

Depth to bottom of water bearing material _____

Thickness of water bearing material _____

Depth to water (ground surface to water level) _____

- (2) Distance to nearest existing household or livestock watering wells.

On same owner's property 160 rds. On property owned by others 160 rds.

G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.

 Robert Mathews
Signature of Applicant

List of well locations
as per phone
conversation with
Beaton Jones 10-28-77

Will send in aerial
photo showing location
of 33 well

Mr. J. N. Mon. Mon.
 This map identifies our
 possible wells, No 1 & No 2
 are listed on my application
 No 3 in middle of Q & R.
 stated at to it would be
 our 3rd well site.
 I called Brooks & the application
 should be out there soon.
 Thank
 J. Matthews
 Lily, S.D.

Listed in
 Day County

272.4

2-530

y

(X)1

2

(X)2

149.5 1542



6 1/2 2 - 119 - 57

1977 Cropland	272.4	
Wheat Allot	50.9	yield 21
Corn Allot	7.3	yield 43
Barley Allot	12.3	yield 57

(X)3

119-57

916

2-530

DIS WATERTOWN SD 572

CASE 2

WATERTOWN SD 572

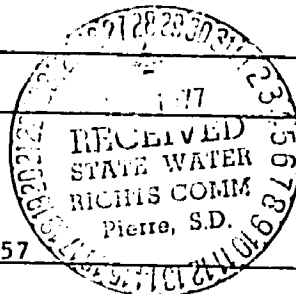
STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION ONLY)



NAME Joe and Mike Matthews Unit # 3

ADDRESS Lily, South Dakota 57250

COUNTY Clark



LEGAL DESCRIPTION

1. WELL LOCATION #1-NW $\frac{1}{4}$ of SE $\frac{1}{4}$ of 2-119-57, #2- SW $\frac{1}{4}$ of NE $\frac{1}{4}$ of 2-119-57
2. LOCATION OF AREA TO BE IRRIGATED SE $\frac{1}{4}$ of 2-119-57, NE $\frac{1}{4}$ of 2-119-57

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____
4. CROPS TO BE IRRIGATED Corn and Alfalfa

WATER QUALITY

5. SAMPLE NUMBER 77-1564
6. SALINITY (EC X 10⁶) 12.16 (high)
7. SODIUM (SAR) 0.30 (low)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0

I do hereby certify that a chemical analysis of the ground water representative of that used to irrigate shall be acquired from South Dakota State University and:
the soils information has been acquired from Clark Conservation District,
County Extension office or Soil Conservation Service.
and:
that the legal description for the location of the well and land to be irrigated is true
and correct.

Joe and Mike Matthews
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
DAY OF _____ 19 ____.

James W. Collins
(TITLE OR SEAL)

MY COMMISSION
EXPIRES NOV. 4, 1984
(SOILS INFORMATION ON REVERSE SIDE)

Albert J. [Signature]
APPROVED/DISAPPROVED

STATE CONSERVATION COMMISSION
SOIL SORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED

FORM W1 #1
COMMISSION
CONSERVATION

INTERPRETIVE GROUPING	LAND USES AND SOILS INFORMATION ON YOUR OPERATING UNIT
2MLG 3-1	IIe2 Forman Loam - Deep, loamy, well drained soils on gently undulating (2 to 6%) slopes. They have a moderate water erosion hazard.
3ML7Z 2-1	IIIs3 Fordville- Like - Moderately deep, well drained soils with 20 to 40 inches of loamy material over sand and gravel on nearly level (0 to 2%) upland slopes. Sandy and gravelly subsoils and substrata limit water storage capacity and rooting depths.
3SL7Z 2-1	IIIe7 Fordville-Like - Deep, well drained, sandy soils on gently undulating (2 to 6%) slopes or eroded phases of these soils on nearly level slopes. These soils have a severe wind erosion hazard.
3ML7Z 4-1	IIIs2 Fordville - Moderately deep, well drained soils with 20 to 30 inches of loamy material over gravel and sand on gently undulating (2 to 6%) slopes. These soils have limited water storage capacity and moderate water erosion hazard.
LE7Z 3-1 LE7Z 4-1	IVs2 Reynolds Silt - Shallow soils with 10 to 20 inches of dark, loamy material over sand and gravel on gently undulating (2 to 6%) slopes. They have low water storage capacity and shallow rooting zone.
2F2F2 K-1	IVw2 Tetonka Silt Loam - Deep, loamy to clayey, poorly drained soils in depressions and on bottom lands. An intermittent water table, occasional flooding, and salinity severely limits use.
2F2F3 K-1	Vw2 Parnel Silty Clay Loam - Very poorly drained sandy to clayey soils on bottom lands and in depressions. Part of the vegetation is of marsh type, not suitable for grazing, but more than 50% is suitable.
2F2w4 K-1	VIIIw1 Marsh - Marshes having more than 50% of the vegetation not suitable for grazing. Best suited for wildlife and recreation.

REPORT OF ANALYSIS
Water Quality Laboratory
Water Resources Research Institute
South Dakota State University
Brookings, South Dakota 57006

Submitted by: Joe & Mike Matthews Date Rec'd: November 14, 1977
Address: Lilly, SD 57250 Sample No. 77-1562
Co: Huron Drilling, Inc. Identification Well-55' #3
P.O. Box 1422 Ed, Sec. 2, T 119N, R 57W
Huron, SD 57350

WATER ANALYSIS

Calcium (Ca)	200	ppm*	10.00	me/l**
Magnesium (Mg)	67	ppm	5.51	me/l
Sodium (Na)	19	ppm	0.93	me/l
Potassium (K)	8	ppm	0.21	me/l
Sulfate (SO ₄)	375	ppm	7.80	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	4	ppm	0.11	me/l
Bicarbonate (HCO ₃)	422	ppm	6.92	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Alkalinity (Methyl Orange)	346	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1216	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.30			
Sodium	5.02	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.61			

*ppm=parts per million
**me/l=millequivalents per liter

***g.p.g.=grains per gallon

COMMENTS: Total cations 16.55 me/l
Total anions 14.83 me/l

By: Shirley Mittan

Service Performed	Amount Due
-------------------	------------

Irrigation analysis

\$15.00 PAID

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 77-1562

Amount Enclosed \$

Signed

APPROVED

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE
DIVISION OF CONSERVATION

(RECOMMENDED MANAGEMENT)

NAME OF APPLICANT Joe & Mike Matthews, Lily, South Dakota

RECOMMENDED MANAGEMENT:

1. Water should not be applied more than 1, 2, 3, 4, 5, times during the irrigation season. Not applicable on Sandy Soil
2. Each uninterrupted application (one rotation of center pivot) should be of at least 1, 2, 3, 4, inches of water.
3. (☒) Yes () No Surface drainage suggested
4. () Yes () No Subsurface drainage suggested
5. (☒) Yes () No Specific land areas that should be avoided

It would app. your tetonka depressions could be drained to the marshy area

in the N.E. corner. I would exclude as much as possible of the marsch and the

Tetonka area that connects the NE-corner with the N.W. corner. Would a shorter
pivot for the NE $\frac{1}{2}$ fit your irrigable soils better than a full 130 acre pivot?

6. () Deep tillage (For the purpose of aiding movement of water through dense subsoils)
7. () Heavy fall application of irrigation water

Other than the areas described above, the soils are well suited for sprinkler. You will find out the Forman Loam on the South side will not be needing irrigation when the balance is needing irrigation, because of different holding capacities and drainability indexes. Or putting it another way, you will have runoff on the south side, if your system is set up for sandy soils --the Benshow and Fordville.

If field conditions permit, deep tillage on the south part will help This should normally be done after crops are removed. Experience will dictate to what extent (depth, spacing and frequency) this should be done.

	Actual	EC 1216	SAR .30
Copy to Applicant - 1	Permitted 90%	1800	
Copies to Water Rights - 2	10%	Not suited.	
Copy to File - 1			

Publish first publication, on or before January 5, 1978

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

December 15, 1977

Notice is hereby given that Joe & Mike Matthews whose post office

address is Lily, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-8; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8, 46-5-10 thru 46-5-22, 46-5-41, 46-6-3, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Commission Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 4.0 cubic feet of water per second of time from ground water (3 wells)

through the Matthews #3, the point of diversion of which is to be located in the NW 1/4 SE 1/4, SW 1/4 NE 1/4 and center of SE 1/4

of Section 2, Twp. 119N Range 57W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

E 1/2, Section 2, T119N, R57W

This Application No. 4156-3 will be considered by the Water Rights Commission at

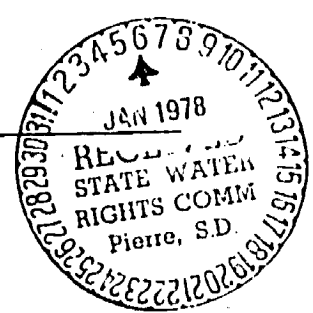
Pierre, South Dakota upon the 25th day of January, 1978 at 10 A.M. The Commission is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Commission decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Commission in writing prior to the hearing or orally at the hearing.

NOTE: Final Proof of publication WATER RIGHTS COMMISSION
must be received by the hearing
date for the Commission to take
action.

BETTY WESTLUND
Water Rights Specialist

cc: Joe & Mike Matthews, Lily, SD 57250

No. 4186-3



PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Glenn) ss.

I, David Matthews hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Glenn County Courier

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the
Glenn of Glenn

County of Glenn and State of South Dakota;
that the said notice was published in said newspaper on the following
two dates:

December 10, 1977

January 5, 1978

David Matthews
(Signature)

Commissioner
(Title)

January 6, 1978
(Date Signed)

NOTICE OF HEARING ON APPLICATION TO APPROPRIATE WATER
Pierre, South Dakota 57501
December 15, 1977

Notice is hereby given that Joe and Mike Matthews, whose post office address is Lilly, South Dakota, have made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-8; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8, 46-5-10 thru 46-5-22, 46-6-1, 46-6-3, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Commission Rules ARSD 52:01:01:01 thru 52:01:01:18, for a permit to appropriate for beneficial use 4.0 cubic feet of water per second of time from ground water (3 wells) through the Matthews #3, the point of diversion of which is to be located in the NW 1/4 SE 1/4, SW 1/4 NE 1/4 and center of SE 1/4 of Section 2, Twp. 119N Range 57W. Said water to be used for the purpose of providing irrigation on portions of the following described land: E 1/4 Section 2, T119N, R57W.

This Application No. 4186-3 will be considered by the Water Rights Commission at Pierre, South Dakota upon the 25th day of January, 1978 at 10 a.m. The Commission is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Commission decision who desires to present evidence or cross-examine witnesses according to SDCL 1-28 may notify the Commission in writing prior to the hearing or orally at the hearing.

Water Rights Commission
Betty Westlund
Water Rights Specialist
12 29-2t

RECEIPT

WATER RIGHTS COMMISSION
State of South Dakota

No 4 6184

PIERRE, November 14, 1975-78

RECEIVED OF Joe Matthews, Lily, SD 57250

FUND 290

the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit to Appropriate Water No. 4186-3 (examination, processing, recording and filing)	350.00
Fee for inspecting Construction, and issuing Cert. of Construction No.	
Fee for inspecting Beneficial Use, and issuing Water License No.	
Fee for issuing Location Certificate-Dry Draw, No.	
Fee for filing	
Fee for certified copy of	
Fee for Print copy of map	
Fee for Certifying	
Fee for (any other work as provided by law)	
TOTAL	350.00

WATER RIGHTS COMMISSION

By John Hatch
Chief Engineer, Executive Officer
JOHN HATCH LW

HARRIS OLSON
PHONE 784-3205
BRADLEY, SOUTH DAKOTA 57217

January 7, 1978

Water Rights Commission
Pierre, South Dakota 57501

Dear Betty Westlund:

In Regards to the application to appropriate water to Joe and Mike Matthews of Lily, South Dakota, application no. 4183-5. I would be hurt by there irrigating as they would be pumping all our ground water and besides that they also have my SW $\frac{1}{4}$ of section 2 Twp. 119N Rang 57 W listed in there notice and they can not have the water rights for my land.

Yours truly,

Harris Olson

Harris Olson

*SW $\frac{1}{4}$ not in advertising notice only E² Sec 2, wells
picks down in NW SE, SW NE & center SE all in E² Sec 2*



Permit No. 4186-3Water Division 3 JAMES RIVER Water DistrictREPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

TO: WATER RIGHTS, WATER MANAGEMENT BOARD / FOSS BLDG., PIERRE, SOUTH DAKOTA 57501

I have this day made a thorough examination of the water use system constructed by JOE & MIKE
MATTHEWS of LILY holder
 of Permit No. 4186-3, bearing date of priority of NOVEMBER 14, 1977
 authorizing the diversion of 4.0 cu. ft. per second of the waters of GROUNDWATER
 for IRRIGATION purposes, in CLARK County.

I have to report on the condition of the same as follows:

The Water Use System consists of,

- A. Works used to divert the water:
 S. WELL - 46' DEEP WITH 12" PLASTIC CASING - 20' SS SCREEN
 N. WELL - 48' DEEP WITH 12" PLASTIC CASING - 20' SS SCREEN
 BOTH WELLS EQUIPPED WITH GOULD 6" SUBMERSIBLE PUMPS
 AND BOTH WITH 30 HP ELECTRIC MOTORS.
- B. Works used to transport water to place of use,
 20' OF 6" ALUMINUM PIPE FROM S. WELL TO S. PIVOT
 1320' OF 6" BURIED PVC FROM N. WELL TO S. PIVOT
 1250' OF 8" BURIED PVC FROM N. WELL TO N. PIVOT
- C. Works used to apply water to beneficial use.
 S. PIVOT - 3 TOWER ZIMMATIC CORNER SYSTEM - MODEL 307-410
 N. PIVOT - 1 TOWER ZIMMATIC CORNER SYSTEM -

The system is in the following condition: GOOD

The point of diversion is located S. WELL - 1320' W & 1300' N; N. WELL - 1320' W
& 2620' N OF THE SE CORNER, SECTION 2, T119N, R57W

The works are capable of diverting and conveying to the place of use 2.00 (900 GPM) ^{SYSTEMS ARE} PUMPED ALTERNATELY
 cu. ft. per second of water which is to be used for IRRIGATION

Water has been put to beneficial use to the maximum extent as follows: SECTION 2, T119N, R57W
144 ACRE "CIRCLE" IN SE⁴
120 " " "CIRCLE" IN NE⁴

comprising a total of 264 acres of land.

AUGUST 18, 1982
[Signature]
 Signature

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 4186-3

(1) WHEREAS, On the 14th day of November A. D. 19 77
Joe and Mike Matthews

made Water Right Application No. 4186-3 for a permit to use 4.0 cubic feet per second of the waters of groundwater (two wells)

County of Clark, State of South Dakota, for Irrigation purposes; and

(2) WHEREAS, On the 25th day of January A. D. 19 78
Permit No. 4186-3, with a date of priority of November-14, 1977

was issued to said applicant for the diversion of said water, and provided for the completion of construction of the water supply system therein described on or before the 25th day of January A. D. 19 83 and for the application to beneficial use of said water on or before the 25th day of January A. D. 19 85

and,

(3) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota relating to completion of the construction of the water supply system and is entitled to divert 2.00[±] (900 gpm) cubic feet per second of water for beneficial use and,

(4) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota relating to the application of water to beneficial use of the following extent,

to irrigate the following land all in Section 2, T119N, R57W

a 144 acre "circle" in SE $\frac{1}{4}$

and a 120 acre "circle" in NE $\frac{1}{4}$

TOTAL 264 acres

* systems are pumped alternately.

(5) NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota, We hereby grant and confirm to **Joe and Mike Matthews**

_____ of **Lilly, South Dakota 57250**
the holder **s** and owner **s** of said permit No. **4186-3** a water right, dating from **November 14, 1977**
to use of **2.00 (900 gpm)** cubic feet per second of the waters
of **groundwater (two wells)**
in the County of **Clark** and State of South Dakota, or so much thereof as may be necessary for the
purposes hereinbelow mentioned, to be diverted at **South Well - 1320'W & 1300'N (DD) North Well -**
1320'W & 2620'N of SE corner (DA), Section 2, T119N, R57W

and conducted to and upon **portions of Section 2, T119N, R57W more fully described**
on the face of this License

for the purpose of **Irrigation**

4186-3
Subject to any limitations listed in Water Right Permit No. _____ and subject to the laws of the State of South Dakota

WITNESS, My hand and seal of our office at Pierre, South Dakota
this **29th** day of **November** A. D.
Eighty-two
Nineteen Hundred and _____

WATER MANAGEMENT BOARD
By: **John Hatch**
Chief Engineer, Executive Officer
JOHN HATCH

Permit No. 4186-3

Water Diversion No. 3 James River Water District
10160010

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Joe and Mike Matthews

_____ the holder s_____ of
Permit No. 4186-3, issued upon Application No. 4186-3, bearing date of priority of November 14,
1977 authorizing the diversion of 4.00 cu. ft. per second of the waters of _____
groundwater (two wells) County of Clark "_____, State of South Dakota at _____
South well - 1320'W & 1300'N (DD), North Well - 1320'W & 2620'N of the
SE corner (DA), Section 2, T119N, R57W
_____, for Irrigation

_____ have complied with the provisions of the laws of the State of South Dakota relating to proof of
completion of the works of diversion set out and described in said Permit; that said works are found in satisfactory
condition for diverting and conveying to the place of intended use 2.00 cu. ft. per second of water.

Date November 29, 1982

John Hatch
JOHN HATCH, Chief Engineer
Water Rights Division

RECEIPT

WATER RIGHTS COMMISSION
State of South Dakota

No 4 9042

PIERRE, November 20, 1982

Joe Matthews

RECEIVED OF Matthews Farm, Inc., Lily, SD 57250
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit to Appropriate Water No. (examination, processing, recording and filing)		
Fee for inspecting Construction, and issuing Cert. of Construction No. 6124-1	50	00
Fee for inspecting Beneficial Use, and issuing Water License No. 1136-1		
Fee for issuing Location Certificate-Dry Draw, No.		
Fee for filing		
Fee for certified copy of		
Fee for Print copy of map		
Fee for Certifying		
Fee for (any other work as provided by law)		
TOTAL	50	00

WATER RIGHTS COMMISSION

By J. L. 2/57-1-1
Chief Engineer, Executive Officer
JOHN BLITCHER



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

1016-3

760-3

4136-3

February 17, 1989

Joe Matthews
RR 1, Box 42
Lily, SD 57250

Dear Mr. Matthews:

On October 6, 1988, the Water Management Board adopted rules to implement a 1988 law for application of chemicals through irrigation systems. The rules establish equipment standards, performance standards and installation requirements for irrigation systems that apply chemicals (fertilizers, insecticides, or herbicides) with irrigation water.

You have indicated on your 1988 Water Management Board Irrigation Questionnaire that you do apply chemicals with irrigation water. A copy of the new rules for chemigation are enclosed for your information.

The new standards include:

- * a check valve between the irrigation pump and the point of chemical injection;
- * a vacuum relief valve on top of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a low-pressure drain on the bottom of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a chemical injection line check valve between the chemical injection pump and the point at which the chemical is injected into the irrigation line; a second check valve is required if the chemical injection pump is not a positive displacement pump;
- * an interlock system which ensures that the chemical injection pump will stop whenever the irrigation pump stops;
- * an inspection port between the irrigation pump and the check valve on the irrigation line;



Each of these equipment requirements are discussed more thoroughly in Sections 74:02:09:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

The equipment must be installed according to the manufacturer's specifications, calibrated, and maintained in good working condition. All chemical product labels must be followed and warning signs must be posted. These rules also require reporting of all spills, accidents, and system malfunctions. A 24-hour telephone number is provided.

The chemigation rules contain notification and record keeping requirements. Prior to using chemigation, notification must be given to the Chief Engineer on the enclosed Form 1C. Information that must be provided in this notification includes the water permit or right number, the name, address, and telephone number of the water permit or right holder and of the system operator, and the legal description of the lands on which the system is located. A record of the name, quantity, dates and hours of each chemical applied must be provided to the Chief Engineer on Form 2C. A copy of this form is also enclosed for your information. It will be mailed with the annual irrigation questionnaire and must be returned with the questionnaire by the date specified. If you have any questions regarding these rules or need additional copies of the forms, please contact Susan Bowar, Water Rights Engineer (605-773-3352).

Very truly yours,

John W. Hatch
for JOHN HATCH, Chief Engineer
Water Rights Division



January 30, 1996

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

NOTICE

TO: JOE MATTHEWS, RR #3 BOX 662, LILY, SD 57274

FROM: Ron Duvall, Natural Resources Engineer
for John Hatch, Chief Engineer
Water Rights Program

SUBJECT: Violation of Requirement to Submit 1995 Irrigation Questionnaire

Our records indicate that the 1995 Irrigation Questionnaire has not been submitted for Permit No(s) 1016-3, 760-3 & 4186-3. The request for the Questionnaire was dated October 20, 1995. The Water Management Board has directed that owners of water permits who have not submitted the 1995 Irrigation Questionnaire be given notice of hearing to determine if any Board action is to be taken concerning the violation.

The hearing will be held at 9:45 am, March 6, 1996, in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. Following the hearing, the Water Management Board can:

1. Amend Permit No(s) 1016-3, 760-3 & 4186-3 to require the Irrigation Water Use Questionnaire to be submitted each year;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire(s) is(are) received in this office on/or before March 1, 1996 your name will be deleted from the Board agenda. If you have any questions or need assistance with completion of the irrigation questionnaire(s), please contact Genny McMath at (605) 773-3352.

Note: Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.

4186-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

February 7, 1996

760-3
1016-3
4186-3

Joe Matthews
RR 3 Box 662
Lily, SD 57274

Dear Mr. Matthews:

I am writing to acknowledge receipt of your 1995 irrigation questionnaires. You may disregard the January 30, 1996, Notice of Violation of the Requirement to Submit the 1995 Irrigation Questionnaires.

The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

NOT TO SCALE

4186-3
Matthews

Listed in
Day County

1016-3

279-126L

transferred to
Day County

1250'
8" PVC

1320'

N. WELL

154.2 AERIAL PHOTO
TAKEN WHEN THEY WERE
TOWING PIVOT ON NW4 -
HWE SINCE GOTTEN THE
CORNER SYSTEM, AND
MADE CROSSINGS IN
THE CREEK IN NE4

transferred to
Day County

1320'
6" PVC

S. WELL

2620'

119-57

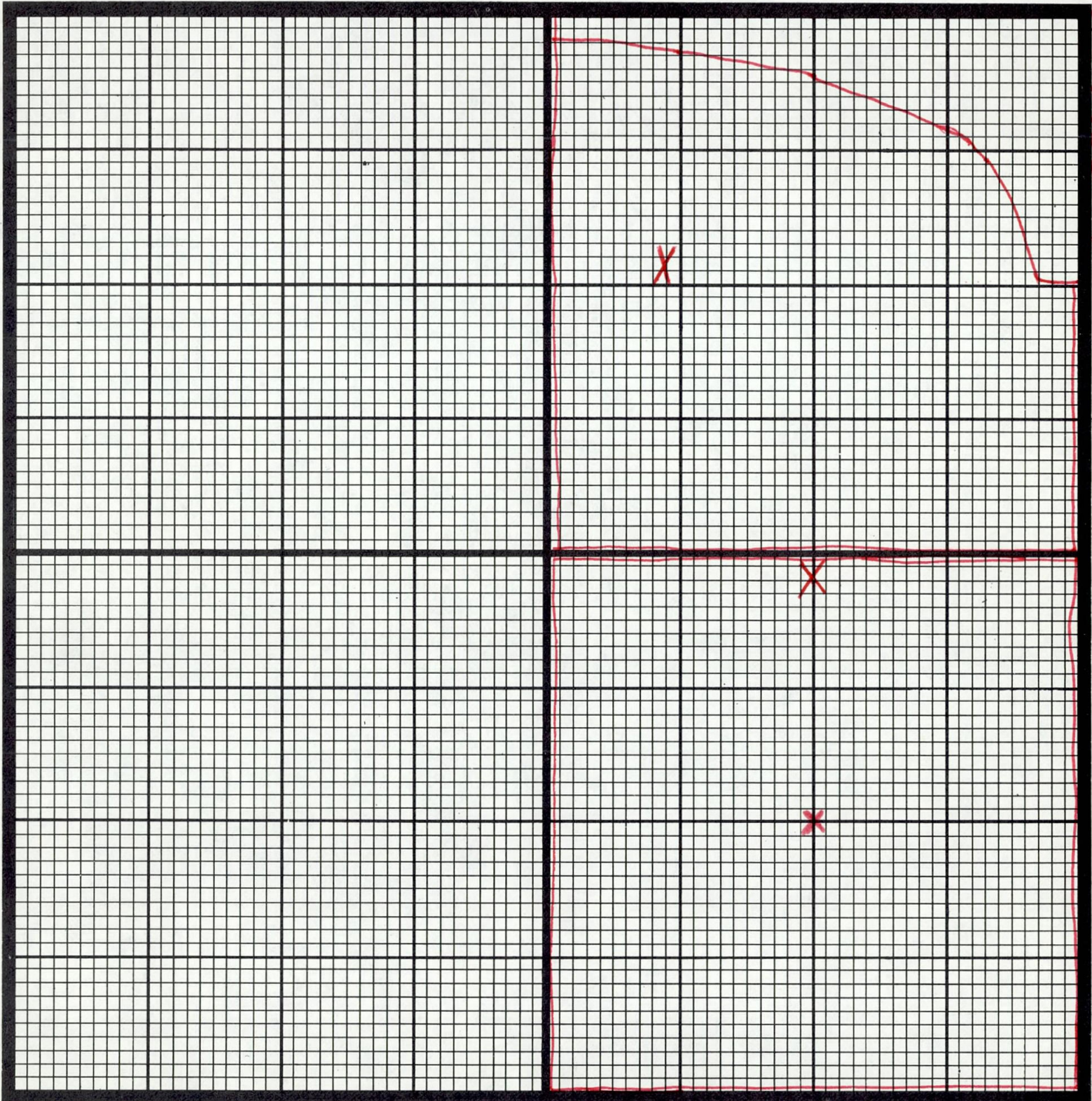
141.6

App'l No. 344-3

279-126L

HURON DRILLING INC.
WELL LOCATION MAP

NAME Joe & Mike Matthews DATE November 3 19 77
WELL NO. 3 SE & NE QUARTER, SECTION 2
TWP. 119 RANGE 57 IN Clark COUNTY



X — PROPOSED LOCATION

Prepared By Dick Fadgen
Dick Fadgen
Beadle County Extension Agent

MAP NO. 2414-3 (A-200) NO. 4186-3



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

November 1, 2024

760-3
1016-3
4186-3

Mike Matthews
42842 154th St
Lily SD 57274

Dear Mr. Matthews:

This letter is in response to the 2024 Irrigation Questionnaires you submitted for Water Right Nos. 760-3, 1016-3, 4186-3, and our brief telephone conversation regarding the needed change in ownership. For your convenience I have enclosed a partially completed "Notice of Transfer of Ownership" form for each water right.

Water Right No. 4186-3 is listed in the name of both yourself and your late father, while the other two are listed solely in his name. If you do not wish to transfer Water Right No. 4186-3 at this time, that would be acceptable since your name is listed on the license, however, filing a transfer now may avoid confusion in the future.

Please return the completed forms with a check for (\$50.00 per transfer) made payable to "SD Water Rights Program" to cover the transfer fees. If you would prefer to pay by card you may call our Fiscal Office at 605.773.5559. These forms will still need to be returned even if you are submitting payment over the phone.

If you have any questions or concerns, please give me a call. My direct number is 605.910.5187

Sincerely,

Amanda Dewell
Permitting Administrator
Water Rights Program
605 773-3352
Amanda.Dewell@state.sd.us

enclosures

4186-3

PAID

NOV 18 2024

Ck# 1403

NOTICE OF TRANSFER OF OWNERSHIP

For assistance call (605) 773-3352

Mail to: SD DANR, Water Rights Program
523 E Capitol Ave
Pierre, SD 57501-3182

Water Right/Permit No. 4186-3

Rec't#

Date: 11-16-2024

I/We request that Water Right/Permit No. 4186-3 formerly owned by:

Joe and Mike Matthews - Lily SD

be transferred to:

New Owner Name:

Mike Matthews

Address:

42842 154 St.

mobile:

City, State, Zip

Webster, S.D., 57274

email:

Title to the following described land(s)/property has been transferred as described above:

Section 2, T119N, R57W

SE 1/4 - 144 acres

NE 1/4 - 120 acres

TOTAL: 264 acres



I understand that the validity of Water Right/Permit No. 4186-3 has not been determined by this transfer action. If I have any questions on validity, I understand that only the Water Management Board has the authority to determine if a water right/permit is valid (see note below).

You are requested to file this "Notice of Transfer" in the appropriate file with the Water Rights Program, as evidence of the change of ownership.

A fee of Fifty Dollars (\$50.00) is included to cover the filing fee as required by SDCL 46-2-13.

I, Mike Matthews, the new owner, certify that the above information is true and correct.

Mike Matthews

(signed by new owner)

NOTE: Water permits may be cancelled for nonconstruction after the five-year construction period has expired. Once a water permit is developed, an inspection is conducted to issue a water right license for the project as developed. A water permit/right may be cancelled for one or more of the following reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three-year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

RECEIVED

NOV 18 2024

OFFICE OF
WATER

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Agriculture and Natural Resources

Date November 20TH, 2024

RECEIVED OF Matthews Inc C/O Mike Matthews 42842 154th St Webster SD 57274

The following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use	\$ _____
Fee for Application for Permit No. _____ to Appropriate Water for Future use	\$ _____
Fee to retain Future Use Permit No. _____ after period of seven years.	\$ _____
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____	\$ _____
Fee for Filing Transfer Form <u>#4186-3 #760-3 #1016-3</u>	<u>\$150.00</u>
Fee for _____	\$ _____
Fee for Issuing New Well Driller's License No. _____	\$ _____
Fee for Renewal of Well Driller's License No. _____	\$ _____
Fee for Issuing Well Pump Installer's License No. _____	\$ _____
Fee for Renewal of Well Pump Installer's License No. _____	\$ _____
(Any Other Work Provided by Law)	
TOTAL	<u>\$150.00</u>

By

Eric Gronlund

Chief Engineer

JK



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

November 21, 2024

760-3
1016-3
4186-3

Mike Matthews
42842 154th St
Webster SD 57274

Dear Mr. Matthews:

I have received your "Notice of Transfer of Ownership" forms and the required fees for Water Right Nos. 760-3, 1016-3, and 4186-3. Enclosed is a receipt of payment for your records.

Water Right Nos. 760-3, 1016-3, and 4186-3, previously held by Joe Matthews are now listed under yourself. I have also updated your contact information in our system.

As a reminder, so long as you use the water beneficially, as stated in the water right, State Water Laws provide that you have a continuing right to use the water. Should the water not be put to beneficial use for a period longer than 3 consecutive years, without legal excuse, the water right will be subject to cancellation.

If you have any questions, please contact me.

Sincerely,

Amanda Dewell
Water Rights Program
605 773-3352
Amanda.Dewell@state.sd.us

NOTE: The validity of Water Right Nos. 760-3, 1016-3, and 4186-3 has not been determined by this transfer action. Only the Water Management Board has the authority to determine if a water permit/right is valid.

enclosure